

Amendments to the Specification

Please replace paragraph [0016] with the following amended paragraph:

[0016] The aerator apparatus 22 includes a first hydraulic circuit 42. The first hydraulic circuit 42 includes tubes 46 at least partially defining a conduit through which the fluid flows. The circuit 42 includes an inlet 48 and an outlet 52 located inside the box 10. The outlet 52 is at an elevation higher than the inlet 48 such that, when fluid 18 is added to the reservoir 14 for testing, the inlet is below the surface 56 of the fluid 18, and the outlet 52 is above the surface 56 of the fluid 18. A primary pump 60 is employed to pressurize the fluid 18 so that it is drawn into the inlet 48 and directed through the circuit 42. The primary pump 60 in a preferred embodiment is located within the reservoir 14 such that the fluid level, i.e., the surface of the fluid, is above the midpoint of the primary pump to simulate drawing fluid draw from a sump in an automatic transmission. The primary pump 60 is powered by an electric motor 64 via sprockets 68 interconnected by a chain drive 72. The chain drive 72 is positioned such that it is at least partially submerged beneath the surface 56 of the fluid to agitate the surface and thereby cause aeration of the fluid.

Please replace paragraph [0018] with the following amended paragraph:

[0018] The density meter 26 is part of a second hydraulic circuit 92. The second hydraulic circuit 92 includes tubes 46 at least partially defining a conduit through which the fluid flows. Fluid 18 is drawn to the density meter 26 from the reservoir 14 through an inlet 96. In the preferred embodiment, the density meter 26 is a Coriolis mass flow/density meter. A secondary pump 100 downstream from the density meter 26 pumps the fluid through the second hydraulic circuit 92. The second hydraulic circuit 92 includes an outlet 104 through which fluid is returned to the reservoir 14.